

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 2023I
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APPLICATION NUMBER

FILING/RECEIPT DATE

FIRST NAMED APPLICANT

ATTORNEY DOCKET NUMBER

10/080,488

02/22/2002

Henery Esmond Butterworth

GB919990129US1

CONFIRMATION NO. 8490
FORMALITIES LETTER

OC000000007678729*

Brian C. Kunzler 10 West 100 South Salt Lake City, UT 84101

Date Mailed: 03/20/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.

 A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(I) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

A copy of this notice <u>MUST</u> be returned with the reply.

Customer Service Center

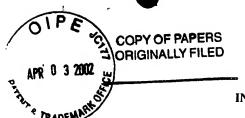
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

04/04/2002 CCHAUI 00000019 090488 10080488

D1 FD:105

130.00 CH



PATENT PATENT

IN THE UNITED STATES

PATENT AND TRADEMARK OFFICE

APPLICANT(S):

HENERY E. BUTTERWORTH, ROBERT B. NICHOLSON, WILLIAM J.

SCALES, AND DOUGLAS TURNER

SERIAL NO.:

10/080,488

FILING DATE:

FEBRUARY 22, 2002

TITLE:

LOG-STRUCTURE ARRAY

EXAMINER:

GROUP ART

2818

UNIT:

ATTY. DKT.

GB919990129US1

No.:

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, D.C. 20231, on the date shown below:

Dated:

3/26/02

Brian Kunzler, Reg. No.:38,527

BOX MISSING PARTS ASSISTANT COMMISSIONER FOR PATENTS WASHINGTON, D.C. 20231

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

SIR:

Responsive to Form PTO-1533 dated 3/20/02 received in the above-identified patent application, enclosed are:

- a copy of the Notice to File Missing Parts;
- a signed Declaration and Power of Attorney and Assignment
- payment in the amount of \$130.00 for the surcharge;

Respectfully submitted,

Dated:

By: Bin a Kull

Brian C. Kunzler, Reg. No.:38,527

10 West 100 South, Suite 425 Salt Lake City, UT 84101 Telephone: (801) 994-4646

Fax.: (801) 322-1054



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Please type a plus sign (+) inside this box -> + + Under the Paperwork Reduction Act of 1995, no perso	ons are required to respon	Patent a	PTO/SB/05 (12/97) Approved for use through 9/30/00. OMB 0651-0032 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE ollection of information unless it displays a valid OMB control number.			
		C	Complete If Known			
Note: Effective October 1, 1997. Note: Effective October 1, 1997.	Application Number	10/080,488				
	Filing Date	February 22, 2002				
	First Named Inventor	Henry Esmond Butterworth 2818				
	Group Art Unit					
	Examiner Name					
FOTAL AMOUNT OF PAYMENT	\$ 170	Attorney Docket Number	GB919990129US1			

METHOD OF PAYMENT (check one) FEE CALCULATION (continued)							
METHOD OF PAYMENT (check one)	EE CA	LCULATION (continued)					
1. X The Commissioner is hereby authorized to charge	3. ADDITIONAL FEES						
indicated fees and credit any over payments to:	Large	Large Entity Small Ent		Entity			
Deposit Account Number: 09-0466	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	
Deposit Account Name: IBM CORPORATION	105	130	205	65	Surcharge - late filing fee or oath	130	
Charge Any Additional Charge the Issue Fee	127	50	227	25	Surcharge - late provisional filing fee or cover sheet		
Fee Required Under In 37 CFR at the Mailing of the Notice of Allowance	139	130	139	130	Non-English specification		
57 OF IN 1.10 and 1.17 OF the House of Allowance		2520	147	2520	For filing a request for reexamination		
2. Payment Enclosed:	112	920*	112	920*	Requesting publication of SIR prior to Examiner action		
☐ Check ☐ Money Order ☐ Other	113	1840*	113	1840*	Requesting publication of SIR after Examiner action		
FEE CALCULATION	115	110	215	55	Extension for reply within first month		
1. FILING FEE	116	400	216	200	Extension for reply within second month		
	117	920	217	460	Extension for reply within third month		
Large Entity Small Entity	118	1440	218	720	Extension for reply within fourth month		
Fee Fee Fee Fee Description Fee Paid	128	1960	228	980	Extension for reply within fifth month		
Code (\$) Code (\$)	119	320	219	160	Notice of Appeal		
101 740 201 370 Utility filing fee	120	320	220	160	Filing a brief in support of an appeal		
106 330 206 165 Design filing fee	121	280	221	140	Request for oral hearing		
107 510 207 255 Plant filing fee	138	1510	138	1510	Petition to institute a public use proceeding		
108 740 208 370 Reissue filing fee	140	110	240	55	Petition to revive - intentional		
114 160 214 80 Provisional filing fee	141	1280	241	640	Petition to revive - unintentional		
SUBTOTAL (1) \$0	142	1280	242	640	Utility issue fee		
2. CLAIMS Fee from	143	460	243	230	Design issue fee		
Extra below Fee Paid	144	620	244	310	Plant issue fee		
Total Claims -20 = x 18 =	122	130	122	130	Petitions to the Commissioner		
Ind. Claims -3 = x 84 =	123	50	123	50	Petitions related to provisional applications		
Multiple Dep. Claims x 280 =	126	180	126	180	Submission of Information Disclosure Stmt		
Large Entity Small Entity	581	40	581	40	Recording each patent assignment per property (times number of properties)	40	
Fee Fee Fee Fee Description Code (\$) Code (\$)	146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))		
103 18 203 9 Claims in excess of 20 102 84 202 42 Independent claims in excess of 3	149	740	249	. 370	For each additional invention to be examined (37 CFR 1.129(b))		
104 280 204 140 Multiple dependent claim	Other fee	e (specify)					
SUBTOTAL (2) \$ 0	*Reduce	d by Basic	Filing Fee	•	SUBTOTAL (3)	170	

SUBMITTED BY					Complete (if applicable)			
Typed or Printed Name	led Name Brian C. Kunzler				Reg. Number	38,527		
Signature	12-	_	Kun	91	Date	Mar 26, 2002	Deposit Account User ID	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.